Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.00	Rating **	U	Issue No.	121		
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Earthen Levee				GPS La	titud	e/Longitude	
Calegory	Category					End	
Item	Operation	Operations & Maintenance			0		0
item	Manuals				0		0
DWR ID	DWR_RD0	524_01_s _ 201	12_121				
		Action/	Comme	nts			
Inspector (O&M Man		: The LMA did	d not app	pear to have	ac	opy of the	

No Photos

LM Start	0.00	Rating **	М	Issue No.		123	
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Category Earthen Levee			GPS La	atitud	le/Longitude		
			Start		End		
Item	Flood Preparedness & Training				٥		0
пеш					٥		0
DWR ID	DWR_RD0	524_01_s _ 201	12_123				
		Action/	'Comme	nts			
Inspector	Comments	: No recent tr	aining.				

No Photos

LM Start	0.00	Rating **	М	Issue No.		138	
LM End	0.00	Issue Type +	Ma	Location *		N/A	
Earthen Levee				GPS La	atitud	le/Longitude	
Calegory	Category			Start		End	
Item		cy Supplies &			0		0
пеш	Equipmer	nt			0		0
DWR ID	DWR_RD0	524_01_s _ 201	13_138				
		Action/	Comme	nts			
-	_						

No Photos

Inspector Comments: The LMA did not appear to have emergency supplies or equipment.

CR : Crown

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.18	Rating **	U	Issue No.		129		
LM End	0.18	Issue Type +	Ма	Location *	WS			
Category	Supplemental					le/Longitude		
Calegory	Category					End		
Item	DWR Ero	sion Survey		37.9390	85 °	37.939085 °		
пеш				-121.3439	17 °	-121.343917 °		
DWR ID	RID							
	Action/Comments							

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: The erosion was discovered during 2013 spring levee inspection. Inspector comment: Erosion is located along the lower level of water-ward slope. [2014 Site ID:RD0524U01RM40.85]

Photo	1 of 1 : 3	SJR2014	4_RD0524U	01RM40.8	5_1.jpg
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Close view of the erosion.

LM Start	0.22	Rating **	М	Issue No. 3		
LM End	0.22	Issue Type +	Ma	Location *		CR
Earthen Levee				GPS La	atitud	e/Longitude
Calegory	Category					End
Item		rface / Depres	ssions /	37.9388	90 °	37.938890 °
пеш	Rutting			-121.3436	57 °	-121.343657 °
DWR ID DWR_RD0524_01_s _ 2012_3						
		Action/	Comme	nts		

Repair depressions or ruts in the crown or slope. Inspector Comments: No change in status.

Photo 1 of 3: FA_2014_RD0524_107_3_20141020_00007.jpg	J
发现的人们的人们的人们是不是的人们	

Looking west at 3" depression on levee crown. (Spring 2012)

LM Start	0.22	Rating **	М	Issue No.	3 (cont)
LM End	0.22	Issue Type +	Ma	Location *	CR

Photo 2 of 3: FA_2014_RD0524_107_3_20141020_00008.jpg



Looking west at depression on levee crown near waterward shoulder.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable M: N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.22	Rating **	М	Issue No. 3 (cont)		3 (cont)	
LM End	0.22	Issue Type +	Ma	Location *	CR		
Earthen Levee				GPS La	titud	le/Longitude	
Category				Start		End	
Item		rface / Depres	ssions /	37.9388	90 °	37.938890 °	
пеш	Rutting			-121.3436	57 °	-121.343657 °	
DWR ID DWR_RD0524_01_s _ 2012_3							
	Action/Comments						

Repair depressions or ruts in the crown or slope. Inspector Comments: No change in status.

Photo 3 of 3: FA_2014_RD0524_107_3_20141020_00009.jpg



Looking east at 3" depression on levee crown. (Spring 2012)

Photo 1 of 1: FA_2014_RD0524_107_179_20141023_00189.jpg

LM Start	0.27 Rating ** M			Issue No.		179		
LM End	0.27	Issue Type +	Ma	Location *	Location * WS		Location * WS	
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Trim / Thi	n Trees		37.9384	38 °	37.938438		
item				-121.3428	83 °	-121.342883		
DWR ID	DWR_RD0524_01_s _ 2014_179							
Action/Comments								

Thin trees to allow visibility of the ground and room to flood fight.

Looking south at untrimmed tree on waterward slope.

LM Start	0.30	Rating **	М	Issue No.		174		
LM End	0.30	Issue Type +	Ma	Location *		WS		
Catagory	Earthen Levee			GPS Latitude/Longitude				
Category				Start		End		
Item	Animal Co	ontrol		37.93838	32 °	37.938382	0	
пеш				-121.34235	52 °	-121.342352	0	
DWR ID	DWR_RD0524_01_f _ 2014_174							

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comments: Several rodent borrow present at this site.



Looking southeast at several rodent holes on waterward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.34	Rating **	М	Issue No.		180	
LM End	0.34	Issue Type +	Ma	Location *		WS	
Catagony	Earthen L	GPS Latitude/Longitude					
Category				Start		End	
ltom	Erosion /	Bank Caving		37.93846	1 °	37.938461	0
Item			-121.34162	6 °	-121.341626	0	
DWR ID	DWR_RD0	524_01_s _ 201	4_180				

Action/Comments

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion is located along the lower level of waterward slope.

LM Start	0.34	Rating **	М	Issue No.	180 (cont)
LM End	0.34	Issue Type +	Ma	Location *	WS



Looking southeast at erosion on waterward toe.

Photo 2 of 2: FA_2014_RD0524_107_180_20141020_00136.jpg



Looking northeast at erosion on waterward toe.

LM Start	0.40	Rating **	U	Issue No.		131	
LM End	0.40	Issue Type +	Ma	Location *		WS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory	Category					End	
Item	DWR Ero	37.93887	° o	37.938870 °			
пеш	item			-121.34046	° 0	-121.340460 °	
DWR ID							

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site.

8/7/2012: The erosion is at the upper levee slope, and likely caused by slope slip. The lower levee slope is covered with dense vegetation. [2014 Site ID:RD0524U01RM40.99]

Pho	oto 1 of 1 : SJR2014_RD0524U01RM40.99_1.jpg
-	
	THE RESIDENCE OF SHIPPING
100	CHOICE THE THE TANK OF THE PARTY OF THE PART
	f the eregion site. Note the vegetation at the leves to

Front view of the erosion site. Note the vegetation at the levee toe and lower slope.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable M: N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.63	Rating **	M	Issue No.		11	
LM End	0.63	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Vegetation			37.93827	78 °	37.938247 °	
пеш				-121.33652	24 °	-121.336503 °	
DWR ID	DWR_RD0	524_01_s _ 201	2_11				
Action/Comments							
Remove th	ne wild gro	wth other than	native (grasses fron	n th	e levee	

slopes.
Inspector Comments: Bamboo on waterward slope.

LM Start	0.63	Rating **	М	Issue No.	11 (cont)
LM End	0.63	Issue Type +	Ma	Location *	WS



Looking southeast at bamboo on waterside slope. (Spring 2012)

Photo 2 of 3: FA_2014_RD0524_107_11_20141020_00015.jpg



Looking south at dying bamboo on waterward slope. (Spring 2013) Photo 3 of 3: FA_2014_RD0524_107_11_20141020_00016.jpg

LM Start	0.63	Rating **	М	Issue No.	11 (cont)
LM End	0.63	Issue Type +	Ma	Location *	WS



Looking south at bamboo on waterside slope. (Fall Inspection 2012)

** Rating
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
N : Not Inspected/Rated
C : Corrected
C : Corrected
D : Unacceptable
A/W : Acceptable but Monitor & Maintain

** Rating
A : Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.63	Rating **	М	Issue No.		10		
LM End	0.63	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Slope Stability			37.9382	47 °	37.938247	0	
пеш				-121.3365	03 °	-121.336503	0	
DWR ID	/R ID DWR_RD0524_01_s _ 2012_10							
Action/Comments								

Repair the levee slope damaged by foot traffic and prevent access where possible.



Looking east at waterside erosion appears to be caused by runoff.

LM Start	0.65	Rating **	М	Issue No.	13			
LM End	0.66	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Slope Stability			37.9381	05 °	37.938023	0		
Item				-121.3362	88 °	-121.336173	0	
DWR ID	DWR_RD0524_01_s _ 2012_13							
Action/Comments								

Repair slope instability.

Inspector Comments: Erosion extends from mid levee slope to shoulder.

Photo 1 of 3 : FA_2014_RD0524_107_13_20141020_00018.jpg
Freeing from IMO CF to 0 CG

Erosion from LM 0.65 to 0.66

LM Start	0.65	Rating **	М	Issue No.	13 (cont)
LM End	0.66	Issue Type +	Ma	Location *	WS



Looking south at erosion on waterside shoulder.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain Enforcement

* Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.65	Rating **	М	Issue No. 1		13 (cont)		
LM End	0.66	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Slope Stability			37.9381	05 °	37.938023		
пеш				-121.3362	88 °	-121.336173		
DWR ID	DWR ID DWR_RD0524_01_s _ 2012_13							
Action/Comments								

Repair slope instability.

Inspector Comments: Erosion extends from mid levee slope to shoulder.



Update of erosion site at LM 0.65 to 0.66

Photo 1 of 3 : FA 2014 RD0524 107 14 20141020 00021.jpg

LM Start	0.68	Rating **	М	Issue No.		14	
LM End	0.68	Issue Type +	Ма	Location *	WS		
Category	Earthen L	evee	GPS Latitude/Longitude		e/Longitude		
Calegory			Start		End		
Item	Vegetatio	n		37.9378	08 °	37.937808 °	
item				-121.3359	13 °	-121.335913 °	
DWR ID	ID DWR_RD0524_01_s _ 2012_14						
Action/Comments							

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: Bamboo on waterward slope.

Looking southeast at bamboo on waterside shoulder as of 4/2010.

LM Start	0.68	Rating **	М	Issue No.	14 (cont)
LM End	0.68	Issue Type +	Ma	Location *	WS

Photo 2 of 3: FA_2014_RD0524_107_14_20141020_00022.jpg



Looking south at dying bamboo on waterward slope. (Spring 2013)

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable M: N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.68	Rating **	М	Issue No.		14 (cont)		
LM End	0.68	Issue Type +	Ma	Location *		WS		
Earthen Levee				GPS Latitude/Longitude				
Category		Start		End				
Item	, Vegetation			37.93780	08°	37.937808	0	
пеш				-121.3359°	13 °	-121.335913	0	
DWR ID	DWR_RD0524_01_s _ 2012_14							

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: Bamboo on waterward slope.

Photo 3 of 3 : FA_2014_RD0524_107_14_20141020_00023.jpg



Looking south at bamboo on waterside slope. (Fall 2012)

LM Start	0.77	Rating **	U	Issue No.		132	
LM End	0.78	Issue Type +	Ма	Location *		WS	
Category	Suppleme	GPS Latitude/Longitude					
Calegory				Start		End	
Item	DWR Ero	sion Survey		37.9368	21 °	37.936821 °	
item		-121.3345	82 °	-121.334582 °			
DWR ID							

Action/Comments

Inspector Comments: 06/19/2014: No significant change observed. 08/13/2013: No significant change at this site.

08/07/2012: The site has been visited by boat survey. No significant change observed.

08/23/2011: The site is located immediately upstream of a Railroad bridge. Dense vegetation at the water line blocks the view of erosion. [2014 Site ID:RD0524U01RM41.39]

Photo 1 of 1 : S	R2014_RD0524U01RM41.39_1.jpg	į



Front view of the erosion site. Vegetation is visible.

LM Start	0.78	Rating **	M	Issue No.		262			
LM End	0.78	Issue Type +	Ma	Location *	LS				
Category	Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End			
Item	Vegetatio	n		37.93655	5 °	37.936555	0		
пеш				-121.33484	7 °	-121.334847	0		
DWR ID	DWR_RD0	524_01_s _ 201	2_262						

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: Dense vegetation at landside toe along fence line.



Looking southwest at vegetation on landward slope and toe. (Spring 2013)

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.78	Rating **	М	Issue No.		262 (cont)	
LM End	0.78	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee				GPS Latitude/Longitude		
Calegory	egory					End	
Item	Vegetatio	n		37.93655	55 °	37.936555 °	
пеш				-121.33484	17 °	-121.334847 °	
DWR ID	DWR_RD0	524_01_s _ 201	2_262				

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: Dense vegetation at landside toe along fence line.



Looking west at dense vegetation on landside toe.

LM Start	0.79	Rating **	М	Issue No.	No. 76			
LM End	0.79	Issue Type +	Ma	Location *		LS		
Catagory	Catagorii Earthen Levee				GPS Latitude/Longitude			
Category				Start		End		
Item	Trim / Thi	n Trees		37.9364	44 °	37.936444°		
item				-121.3347	97 °	-121.334797 °		
DWR ID DWR_RD0524_01_s _ 2012_76						·		
	Action/Comments							

Trim trees to at least five feet above ground level.

Photo 1 of 1: FA_2014_RD0524_107_76_20141020_00078.jpg

Looking southwest at low hanging tree branches at landside toe.

LM Start	0.82	Rating **	U	Issue No.		Issue No.		2
LM End	0.82	Issue Type + Ma		Location *		LS		
Category	Earthen L	GPS Latitude/Longitude						
Calegory				Start		End		
Item	Erosion /	Bank Caving		37.93609	3 °	37.936004°		
item				-121.33464	8 °	-121.334615 °		
DWR ID DWR_RD0524_01_f _ 2013_2								

Action/Comments

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Several holes and finger erosions on landward slope.



Looking southwest at hole on landward shoulder.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.82	Rating **	U	Issue No.		Issue No.		2 (cont)	
LM End	0.82	Issue Type +	Ма	Location *		LS			
Category	Earthen L	GPS Latitude/Longitu							
Calegory				Start		End			
Item	Erosion /	Bank Caving		37.9360	93 °	37.936004	•		
пеш				-121.3346	48 °	-121.334615	•		
DWR ID	DWR ID DWR_RD0524_01_f _ 2013_2								

Action/Comments

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Several holes and finger erosions on landward slope.

LM Start	0.82	Rating **	U	Issue No.	2 (cont)
LM End	0.82	Issue Type +	Ma	Location *	LS

Photo 2 of 5: FA_2014_RD0524_107_2_20141020_00003.jpg



Looking west at hole on landward shoulder.

Photo 3 of 5: FA_2014_RD0524_107_2_20141020_00004.jpg



Looking southeast at finger erosion on landward slope. Photo 4 of 5: FA_2014_RD0524_107_2_20141020_00005.jpg

LM Start	0.82	Rating **	U	Issue No.	2 (cont)
LM End	0.82	Issue Type +	Ma	Location *	LS



Looking east at erosion on landward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.82	Rating **	U	Issue No.		2 (cont)
LM End	0.82	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	tituc	le/Longitude
Calegory	egory			Start		End
Item	Erosion /	Bank Caving		37.93609	93 °	37.936004 °
пеш				-121.33464	8 °	-121.334615 °
DWR ID	DWR_RD0524_01_f _ 2013_2					

Action/Comments

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Several holes and finger erosions on landward slope.

Photo 5 of 5: FA_2014_RD0524_107_2_20141020_00006.jpg



Looking northeast at several finger erosion on landward slope.

Photo 1 of 1: SJR2014_RD0524U01RM41.44_1.jpg

LM Start	0.83	Rating **	U	Issue No.		133	
LM End	0.84	Issue Type +	Ma	Location *	Location *		
Supplemental				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	DWR Ero	sion Survey		37.93593	30°	37.935930	0
пеш				-121.33413	33 °	-121.334133	0
DWR ID							

Action/Comments

Inspector Comments: 06/19/2014: No significant change observed. 08/13/2013: Site was discovered during boat survey. The dense vegetation blocks a clear view of the erosion. Size of erosion site was very roughly estimated. [2014 Site ID:RD0524U01RM41.44]

Close view of the site. Dense vegetation covers the erosion.

LM Start	0.91	Rating **	U	Issue No.		134	
LM End	0.91	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	DWR Ero	sion Survey		37.9355	76 °	37.935576	٥
пеш				-121.3332	02 °	-121.333202	٥
DWR ID							
			_				

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site.

08/07/2012: The site has been visited by boat survey. No significant change observed

08/23/2011: The erosion site is immediately downstream of the riprap protection. [2014 Site ID:RD0524U01RM41.5]



Front view of the erosion. Note the riprap protection near the site.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable M: N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	0.92	Rating **	М	Issue No.		122	
LM End	0.92	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroach	ments		37.93526	67 °	37.935267 °	
item				-121.33298	35 °	-121.332985 °	
DWR ID DWR_RD0524_01_s _ 2013_122							
		Action/	Comme	nts			

Pipe

Inspector Comments: Inch and half metal pipe should be removed.



Looking northwest at inch and half metal pipe on waterward slope.

LM Start	0.94	Rating **	М	Issue No.		77	
LM End	1.02	Issue Type +	Ma	Location *	LS		
Category	evee		GPS Latitude/Longitude				
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.9352	59 °	37.935049	0
item				-121.3328	64 °	-121.331334	0
DWR ID DWR_RD0524_01_s _ 2012_77							
		Action/	Comme	nts			

Trim trees to at least five feet above ground level.



Looking south at low hanging tree branches at landside toe.

LM Start	0.97	Rating **	A/W	Issue No.		20		
LM End	0.97	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Item	Trim / Thi	n Trees		37.9351	81 °	37.935181	0	
пеш				-121.3322	97 °	-121.332297	0	
DWR ID	DWR_RD0	524_01_f _ 201	3_20					
		Action/	Comme	nts				

Trim trees over roadway to at least 12 feet above ground level.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W: Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.00	Rating **	U	Issue No.		135
LM End	1.00	Issue Type +	Ма	Location *		WS
Category	Suppleme	ental		GPS La	titud	e/Longitude
Calegory	gory			Start		End
Item	DWR Ero	sion Survey		37.9354	10 °	37.935410°
item				-121.3315	60°	-121.331560 °
DWR ID						·

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site.

08/07/2012: The erosion was discovered during the boat survey. [2014 Site ID:RD0524U01RM41.58]

Photo 1 of 1 :	SJR2014_RD0524U	01RM41.58_1.jpg
a Maria	Mall Co.	
	H NEW WAY	A 10 10 10 10 10 10 10 10 10 10 10 10 10
	A SECTION AND A SECTION AND ASSESSMENT OF THE PERSON ASSESSMENT OF	3.4 3.4

Close view of the erosion.

LM Start	1.00	Rating **	U	Issue No.		139
LM End	1.00	Issue Type + Ma		Location *		WS
Category	Suppleme	ental		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	DWR Ero	sion Survey		37.9353	26 °	37.935326 °
пеш				-121.3315	37 °	-121.331537 °
DWR ID						

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site.

08/07/2012: The site has been visited by boat survey. Site has been repaired, but new erosion occurred at the levee slope and immediately upstream of the repaired site.

08/23/2011: The site is about 500 ft downstream of bridge. The levee toe seems to be protected, but the protection is being washed away. [2014 Site ID:RD0524U01RM41.59]



Front view of the site.

LM Start	1.03	Rating **	М	Issue No.		17		
LM End	1.03	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee	GPS Latitude/Longitude					
Calegory				Start		End		
Itom	Erosion /	Erosion / Bank Caving			18 °	37.935098	0	
пеш	Item			-121.3312	48 °	-121.331645	0	
DWR ID	DWR_RD0524_01_s _ 2012_17							
Action/Comments								

Schedule repair of erosion site prior to the next inspection.

Inspector Comments: Minor erosion was noted next to repaired site.



Looking upstream (south) at erosion site.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.03	Rating **	М	Issue No.	17 (cont)			
LM End	1.03	1.03 Issue Type + Ma			WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory		Start		End				
Item	Erosion /	Bank Caving		37.935018 °		37.935098	0	
пеш				-121.331248 °		-121.331645	0	
DWR ID DWR_RD0524_01_s _ 2012_17								
Action/Comments								

Schedule repair of erosion site prior to the next inspection.

Inspector Comments: Minor erosion was noted next to repaired site.



Looking southeast at erosion next to repaired site on waterward slope (Spring 2013)

LM Start	1.03	Rating **	М	Issue No.	17 (cont)
LM End	1.03	Issue Type +	Ма	Location *	WS



Looking north at erosion site next to repaired site. (Spring 2012)

LM Start	1.09	Rating **	М	Issue No.		18		
LM End	1.09	Issue Type +	Ma	Location *	LS			
Category	Earthen L	GPS Latitude/Longitude						
Category						End		
Item	Slope Sta	bility	37.9346	45 °	37.934645 °			
пеш				-121.3303	10 °	-121.330310 °		
DWR ID DWR_RD0524_01_s _ 2012_18								
Action/Comments								

Repair slope instability.

Inspector Comments: Slope damage extend from shoulder to middle of slope.



Landward slope damage at LM 1.09.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.09 Rating ** M			Issue No.	18 (cont)			
LM End	1.09	Issue Type +	Ма	Location *	ocation * LS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Slope Stability			37.93464	15 °	37.934645 °		
item			-121.33031	0 °	-121.330310 °			
DWR ID	DWR ID DWR_RD0524_01_s _ 2012_18							
Action/Comments								

Repair slope instability.

Inspector Comments: Slope damage extend from shoulder to middle of slope.

LM Start	1.09	Rating **	М	Issue No.	18 (cont)
LM End	1.09	Issue Type +	Ma	Location *	LS



Updated picture of the erosion site on the landside shoulder.

Photo 3 of 5: FA_2014_RD0524_107_18_20141020_00029.jpg



Looking south at caving on landside shoulder. (Sping 2012)

LM Start	1.09	Rating **	М	Issue No.	18 (cont)
LM End	1.09	Issue Type +	Ma	Location *	LS



Looking at updated slope stability as of 4/2010.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.09	Rating **	М	Issue No.		18 (cont)	
LM End	1.09	Issue Type +	Ма	Location *	LS		
Earthen Levee			GPS La	atitud	le/Longitude		
Calegory	Category			Start		End	
Item	Slope Sta	bility		37.9346	45 °	37.934645	0
item			-121.3303	10°	-121.330310	٥	
DWR ID DWR_RD0524_01_s _ 2012_18							
Action/Comments							

Repair slope instability.

Inspector Comments: Slope damage extend from shoulder to middle of slope.



Updated view from above the slope stability.

LM Start	1.14	Rating **	М	Issue No.		175
LM End	1.14	Issue Type +	Ma	Location *		WS
Catagory	Earthen L	Earthen Levee			atitud	e/Longitude
Category				Start		End
Item	Trim / Thi	n Trees		37.9341	71 °	37.934171 °
пеш				-121.3295	84 °	-121.329584°
DWR ID DWR_RD0524_01_f _ 2014_175						
Action/Comments						

Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: T

No Photos

LM Start	1.14	Rating **	М	Issue No.		19		
LM End	1.17	Issue Type +	Ма	Location *	WS			
Catagory	Earthen Levee				GPS Latitude/Longitude			
Category				Start		End		
Item	Trim / Thi	n Trees		37.93411	8 °	37.933775°		
пеш				-121.32965	7°	-121.329305 °		
DWR ID DWR_RD0524_01_s _ 2012_19								
Action/Comments								

Trim trees to at least five feet above ground level.



Photo 1 of 1: FA_2014_RD0524_107_19_20141020_00032.jpg

Looking northwest at low hanging tree branches at waterside toe.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain Enforcement

* Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.16	Rating **	U	Issue No.		141
LM End	1.24	Issue Type +	Ма	Location *		WS
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR Ero	sion Survey		37.9333	47 °	37.933347 °
пеш				-121.3291	10°	-121.329110 °
DWR ID						

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change at this site.

08/07/2012: The site has been visited by boat survey. No significant change observed

08/23/2011: No significant change observed on site.

9/07/2010: No significant change observed on site. Vegetation is visible at the water line. There is an exposed pipe discharge partially hanging at the mid-slope, possibly still used for discharging irrigation/runoff water. There is minimal rip rap protection along the bank, and what's left of it is no longer adequately protecting the bank.

9/29/2009: Site consists of a 400-foot long eroding bank with minimal vegetation and protection; the existing rip rap has sloughed, rendering it useless; note that there is an exposed section of a pipe.

10/18/2006: There is extensive loss of rip rap on some sections; sewage disposal pond is on the landside of the levee; there is an exposed pipe outlet "hanging" from the upper slope. [2014 Site ID:RD0524U01RM41.79]



Direct view of the site.

LM Start	1.17	Rating **	М	Issue No.		915			
LM End	1.25	Issue Type +	Ma	Location *	ocation * LS				
Catagory	Earthen L	evee	G			GPS Latitude/Longitude			e/Longitude
Calegory	Category			Start		End			
Item	Vegetatio	n		37.9337	75 °	37.932784			
пеш				-121.3292	50 °	-121.328765			
DWR ID DWR_RD0524_01_s _ 2012_915									
Action/Comments									

Remove the wild growth other than native grasses from the levee slopes.



Looking southwest at dense veg. on landside toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.29	Rating **	U	Issue No.		142	
LM End	1.32	Issue Type +	Ма	Location *		WS	
Category	Suppleme	GPS Latitude/Longitude					
Calegory				Start		End	
Item	DWR Ero	sion Survey		37.9318	58 °	37.931858	0
item				-121.32830	00°	-121.328300	0
DWR ID							

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: New signs of animal activity were found.

08/07/2012: The site was first reported in 2012 spring levee inspection report. [2014 Site ID:RD0524U01RM41.92]

Photo 1 of 1 : SJR2014_RD0524U01RM41.92_1.jpg

Front view of the erosion. Note the drainage pipe on the site.

LM Start	1.31	Rating **	М	Issue No.		33
LM End	1.31	Issue Type +	Ma	Location *		WS
Category	Earthen Levee			GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Encroach	ments		37.9319	48 °	37.931948 °
item				-121.3283	87 °	-121.328387 °
DWR ID	DWR_RD0524_01_s _ 2012_33					

Action/Comments

Pipe

Inspector Comments: Pipe is not in use and should be properly abandoned.

Photo 1 of 2: FA_2014_RD0524_107_33_20141020_00041.jpg
TIIO TO 12.17A_2014_RE00324_TO 1_30_20141020_00041.jpg
CONTROL OF THE SECOND
10 10-
Looking west at pipe on landside slope

Looking west at pipe on landside slope.

LM Start	1.31	Rating **	М	Issue No.	33 (cont)
LM End	1.31	Issue Type +	Ma	Location *	WS

Photo 2 of 2: FA_2014_RD0524_107_33_20141020_00042.jpg



Looking north at broken pipe.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable M: N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.33	Rating **	М	Issue No.	130			
LM End	1.37	Issue Type +	Ma	Location *	CR			
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Crown Su	rface / Depres	ssions /	37.931658 °		37.931085	0	
пеш	Rutting			-121.3282	55 °	-121.328112	0	
DWR ID	DWR_RD0	524_01_s _ 201	13_130					
	Action/Comments							

Add appropriate gravel or road base. Grade and compact.

No Photos

LM Start	1.39	Rating **	U	Issue No.		143
LM End	1.39	Issue Type +	Ма	Location *	WS	
Category	Suppleme	ental		GPS La	titud	e/Longitude
Calegory				Start		End
Item	DWR Ero	sion Survey		37.93057	75 °	37.930575 °
пеш				-121.32809	90 °	-121.328090 °
DWR ID						

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change observed.

08/07/2012: The site was first reported in 2012 spring levee inspection report. The site is located about 750 ft downstream of SR 4 Bridge. [2014 Site ID:RD0524U01RM42.03]



Front view of the erosion.

LM Start	1.45	Rating **	U	Issue No.		144		
LM End	1.47	Issue Type +	Ma	Location *		WS		
Category	Supplemental				GPS Latitude/Longitude			
Calegory				Start		End		
Item	DWR Erosion Survey		37.9296	50°	37.929650	0		
пеш				-121.3281	10°	-121.328110	0	
DWR ID								

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: The site is located approximately 400 ft. downstream SR 4 Bridge. Dense vegetation is visible at the toe. [2014 Site ID:RD0524U01RM42.09]



Front view of the erosion site.

Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS : Land Side N/A: Not Applicable : Acceptable N : Not Inspected/Rated WS : Water Side Minimally Acceptable C : Corrected CR : Crown U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.51	Rating **	М	Issue No.		916		
LM End	1.51	Issue Type +	Ма	Location *	LS			
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory						End		
Item	Trim / Thin Trees			37.929118 °		37.929118 °		
item			-121.328368 °		-121.328368 °			
DWR ID	DWR_RD0524_01_s _ 2012_916							
	Action/Comments							

Trim and thin trees to allow visibility of the ground and room to flood fight.

Dense vegetation on landeid	1 - (

Photo 1 of 3: FA_2014_RD0524_107_916_20141020_00152.jpg

Dense vegetation on landside toe.

LM Start	1.51	Rating **	М	Issue No.	916 (cont)
LM End	1.51	Issue Type +	Ma	Location *	LS

Photo 2 of 3: FA_2014_RD0524_107_916_20141020_00153.jpg



Looking south at trees on landside slope. (Fall 2012)

LM Start	1.51	Rating **	М	Issue No.	916 (cont)
LM End	1.51	Issue Type +	Ма	Location *	LS



Looking south at dense veg. on landside slope and toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.55	Rating **	A/W	Issue No.		23	
LM End	1.60	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		37.9283	88 °	37.927797	0
пеш				-121.3282	80°	-121.327854	0
DWR ID	DWR_RD0	524_01_s _ 201	12_23				
		Action/	Comme	nts			

Remove the wild growth other than native grasses from the levee slopes.

LM Start	1.55	Rating **	A/W	Issue No.	23 (cont)
LM End	1.60	Issue Type +	Ma	Location *	LS



Overgrown landscaping on landward slope from LM 1.56 to 1.74

Photo 2 of 5: FA_2014_RD0524_107_23_20141023_00195.jpg



Looking north from landward berm at corrected site.

LM Start	1.55	Rating **	A/W	Issue No.	23 (cont)
LM End	1.60	Issue Type +	Ma	Location *	LS



Looking east from landward berm at corrected site.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain Enforcement

* Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

1.55	Rating **	A/W	Issue No.		23 (cont)
1.60	Issue Type +	Ма	Location *		LS
Earthen L	evee		GPS La	titud	e/Longitude
			Start		End
Vegetatio	n		37.9283	88 °	37.927797
			-121.3282	80 °	-121.327854
DWR_RD0	524_01_s _ 201	2_23			
	1.60 Earthen L Vegetation	1.60 Issue Type + Earthen Levee Vegetation	1.60 Issue Type + Ma Earthen Levee	1.60 Issue Type + Ma Location * Earthen Levee GPS La Start Start Vegetation 37.92836 -121.32826	1.60 Issue Type + Ma Location * Earthen Levee GPS Latitud Start Vegetation 37.928388 ° -121.328280 °

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

LM Start	1.55	Rating **	A/W	Issue No.	23 (cont)
LM End	1.60	Issue Type +	Ma	Location *	LS

Photo 4 of 5: FA_2014_RD0524_107_23_20141023_00197.jpg



Looking south from levee crown at corrected site.

Photo 5 of 5: FA_2014_RD0524_107_23_20141023_00198.jpg



Looking south from levee crown at upstream end of corrected site.

LM Start	1.58	Rating **	U	Issue No.		145	
LM End	1.64	Issue Type +	Ма	Location *		WS	
Category	Suppleme	ental		GPS Lati	tud	e/Longitude	
Calegory				Start		End	
Item	DWR Ero	sion Survey		37.927770	o°	37.927770	0
item				-121.327870	o°	-121.327870	0
DWR ID							

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change observed.

08/07/2012: The site has been visited by boat survey. No significant change observed

08/23/2011: No significant change observed on site. Trees concerned still in place.



Front view of the site where undermining has occurred.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.60	Rating **	М	Issue No.		136	٦
LM End	1.60	Issue Type +	Ma	Location *		CR	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		37.9277	75 °	37.927775	0
item				-121.3278	60 °	-121.327860	0
DWR ID	DWR_RD0	524_01_s _ 201	3_136				
		Action/	Comme	nts			

Repair the levee slope damaged by foot traffic and prevent access where possible.



Looking south at depression on levee crown near wateward shoulder. Photo 1 of 2: FA 2014 RD0524 107 24 20141023 00199.jpg

LM Start	1.62	Rating **	М	Issue No.		24	
LM End	1.63	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		37.9276	35 °	37.927540	0
пеш				-121.3278	12 °	-121.327648	0
DWR ID	DWR_RD0	524_01_s _ 201	12_24				
		Action/	Comme	nts			

Remove the wild growth slopes.

Inspector Comments: \

Issue Type +	Ма	Location *		LS
evee		GPS La	atitud	le/Longitude
		Start		End
1		37.9276	35 °	37.927540 °
		-121.3278	12 °	-121.327648 °
524_01_s _ 201	12_24			
Action/	/Comme	ents		
vth other thar	n native	grasses from	n th	e levee
Vegetation b	blocking	landward to	e.	

Looking south at vegetation blocking view of landward toe.

LM Start	1.62	Rating **	М	Issue No.	24 (cont)
LM End	1.63	Issue Type +	Ma	Location *	LS



Looking north at dense vegetation on the landside and waterside slopes.

Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence N/A: Not Applicable LS : Land Side : Acceptable : Minimally Acceptable N : Not Inspected/Rated WS : Water Side C : Corrected CR : Crown U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.62	Rating **	A/W	Issue No.		25	
LM End	1.63 Issue Type + Ma		Location *	Location *			
Cotagon Earthen Levee				GPS La	titud	e/Longitude	
Calegory	Category					End	
Item	Vegetatio	n		37.92763	5 °	37.927540	0
item	item				2 °	-121.327648	0
DWR ID	VR ID DWR_RD0524_01_s _ 2012_25						

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.



Looking southeast at dense vegetation on the waterside slope.

LM Start	1.63 Rating ** M			Issue No.		26	
LM End	1.66	Issue Type +	Ма	Location *	n* WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory						End	
Item	Erosion /	Bank Caving		37.9275	07 °	37.927295	
пеш				-121.3275	93 °	-121.327298 '	
DWR ID DWR_RD0524_01_s _ 2012_26							
	Action/Comments						

Note and monitor erosion site.

No Photos

LM Start	1.66	Rating **	N	Issue No.		8	
LM End	1.70	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Trim / Thin Trees				37.9272	55 °	37.926855	0
Item				-121.3271	37 °	-121.326672	0
DWR ID DWR_RD0524_01_s _ 2012_8							
Action/Comments							

Tree stumps.

Inspector Comments: Several tree stumps on waterside shoulder.

No Photos

* Location
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy
C : Corrected Ob : Design & System Obsolescence
U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.69	Rating **	М	Issue No.		45	
LM End	1.69	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory			Start		End		
Item	ments		37.9270	18 °	37.927018 °		
item				-121.326872 °		-121.326872 °	
DWR ID	DWR_RD0	524_01_s _ 201	12_45				
		Action/	Comme	nts			
Action/Comments Stairway Inspector Comments: Stairs and retaining wall							

hoto 1 of	3 : FA_2014	_RD0524 _.	_107_45	_20141020_	_00057.jp	og
		An and			**	
			<i>*</i>			
	外		10 mg			

Looking northeast at non-permitted concrete stairs on waterside slope.

LM Start	1.69	Rating **	М	Issue No.	45 (cont)
LM End	1.69	Issue Type +	Ma	Location *	WS

Photo 2 of 3: FA_2014_RD0524_107_45_20141020_00058.jpg



Looking southwest at retaning wall connected to concrete stairs.

LM Start	1.69	Rating **	М	Issue No.	45 (cont)
LM End	1.69	Issue Type +	Ma	Location *	WS



Looking west at concrete stairs on waterside slope.

*Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

**Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain

**Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.71	Rating **	М	Issue No.		27	
LM End	1.73	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee	GPS Latitude/Longitude				
Category				Start		End	
Item	Slope Stability				28 °	37.926730 °	
пеш				-121.3265	97 °	-121.326508 °	
DWR ID	DWR_RD0	524_01_s _ 201	2_27				
Action/Comments							
Repair slop	Repair slope instability.						

No Photos

LM Start	1.75	Rating **	М	Issue No.		28	
LM End	1.75	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroach	Encroachments			22 °	37.926322	0
item					15 °	-121.326115	0
DWR ID DWR_RD0524_01_s _ 2012_28							

Action/Comments

Garbage

Inspector Comments: Large pruning piles on landside slope.

LM Start	1.75	Rating **	М	Issue No.	28 (cont)
I M End	1.75	Issue Type +	Ma	Location *	LS

Photo 1 of 2: FA_2014_RD0524_107_28_20141023_00200.jpg



Looking southwest at trash and a pruning pile on landward berm.

Photo 2 of 2: FA_2014_RD0524_107_28_20141020_00038.jpg



Looking at southwest at a pruning pile at landward berm.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.76	Rating **	М	Issue No.		181	
LM End	1.76	Issue Type +	Ma	Location *		N/A	
Cotagon Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Encroach	ments		37.925972 °		37.925972 °	
item				-121.3257	69 °	-121.325769 °	
DWR ID	DWR_RD0524_01_s _ 2014_181					·	
Action/Comments							
N 4 - 4 1							

Material

Inspector Comments: Landowner stockpiling pallets at landward toe.



Looking west at wooden pallets at landward toe.

LM Start	1.77	Rating **	U	Issue No.		46	
LM End	1.77	Issue Type +	Ma	Location *	N/A		
Catagoria Earthen Levee			GPS Latitude/Longitude				
Category	"y			Start		End	
Item	Encroach	ments		37.9259	93 °	37.926152	0
item				-121.3257	77 °	-121.325927	0
DWR ID DWR_RD0524_01_s _ 2012_46							
Action/Comments							

Tree or limb

Inspector Comments: Downed tree limbs on landward slope.

Photo 1 of 4: FA_2014_RD0524_107_46_20141023_00201.jpg
Looking couth at trac limbs on landward along

Looking south at tree limbs on landward slope.

LM Start	1.77	Rating **	U	Issue No.	46 (cont)
LM End	1.77	Issue Type +	Ma	Location *	N/A

Photo 2 of 4: FA_2014_RD0524_107_46_20141023_00202.jpg



Looking southwest at tree limbs on landward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	1.77	Rating **	U	Issue No.		46 (cont)	
LM End	1.77	Issue Type +	Ma	Location *	N/A		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	Encroachments			93 °	37.926152 °	
item			-121.325777 °		-121.325927 °		
DWR ID	DWR_RD0	524_01_s _ 201	2_46			·	
		Action/	Comme	nts			
Tree or lim Inspector (: Downed tree	e limbs o	n landward	l slop	oe.	

	7	
		4

Photo 3 of 4: FA_2014_RD0524_107_46_20141023_00203.jpg

Looking south at tree limbs on landward slope.

 LM Start
 1.77
 Rating **
 U
 Issue No.
 46 (cont)

 LM End
 1.77
 Issue Type +
 Ma
 Location *
 N/A

Photo 4 of 4: FA_2014_RD0524_107_46_20141020_00060.jpg



Looking southwest at dense vegetation and low hanging tree branches on landside slope and toe.

LM Start	1.80	Rating **	A/W	Issue No.	100	
LM End	1.80	Issue Type +	Ма	Location *		LS
Category	Earthen Levee			GPS Latitude/Longitude		
Category			Start		End	
ltem	ltem Encroachments			37.925752 °		37.925752
item				-121.325592 °		92 ° -121.325592 °
DWR ID	DWR_RD0	524_01_s _ 201	2_100			
		Action/	Comme	nts		
Prunings						



Looking southwest at prunings on landside toe.

*Location
LS: Land Side N/A: Not Applicable
WS: Water Side CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
C: Corrected
N: Not Inspected/Rated
C: Corrected
C: Corrected
A/W: Acceptable but Monitor & Maintain

** Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.10	Rating **	A/W	Issue No.		183			
LM End	2.10	Issue Type +	Ma	Location *	WS				
Catagony	Earthen L	.evee		GPS La	atitud	e/Longitude			
Category				Start		End			
ltom	Vegetatio	n		37.9220	09 °	37.922009	0		
Item				-121.3230	15 °	-121.323015	0		
DWR ID	DWR ID DWR_RD0524_01_s _ 2014_183								
	Action/Comments								

Remove the wild growth other than native grasses from the levee

Inspector Comments: Cactus on waterward slope.

LM Start	2.15	Rating **	A/W	Issue No.	6				
LM End	2.22	Issue Type +	Ма	Location *	WS				
Category	Earthen L	evee		GPS La	tituc	le/Longitude			
Calegory		Start		End					
Itom	Vegetatio	n		37.92154	° 0	37.920959	0		
Item				-121.32229	° 8	-121.321365	0		
DWR ID	DWR_RD0524_01_f _ 2012_6								
Action/Comments									

No Photos

No Photos

Remove the wild growth other than native grasses from the levee slopes.

LM Start	2.17	Rating **	A/W	Issue No.	30					
LM End	2.18	Issue Type +	Ма	Location *	WS					
Cotogon/ Earthen Levee				GPS Lat	ituc	le/Longitude				
Category				Start		End				
Erosion / Bank Caving				37.92138	3°	37.921300 °				
Item				-121.32204	3°	-121.321902 °				
DWR ID	DWR_RD0524_01_s _ 2012_30									
	Action/Comments									

No Photos

Note and monitor erosion site.

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.19	Rating **	U	Issue No.		146	
LM End	2.19	Issue Type +	Ма	Location *		WS	
Category	Suppleme	GPS Lat	itud	e/Longitude			
Calegory				Start		End	
Itom	. DWR Erosion Survey				2 °	37.920992	0
Item				-121.32137	o °	-121.321370	0
DWR ID							

Action/Comments

Inspector Comments: 7/22/2014: The erosion has increased in size. 08/13/2013: No significant change observed. Slightly more vegetation was visible.

08/07/2012: The site was first reported in 2012 spring levee inspection report. [2014 Site ID:RD0524U01RM42.79]



View from downstream.

LM Start	2.22	Rating **	М	Issue No.	31			
LM End	2.28	Issue Type +	Ma	Location *	WS			
Catagory	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
ltom	Slope Sta	bility		37.9209	92 °	37.920505 °		
Item				-121.3213	73 °	-121.320485 °		
DWR ID	DWR_RD0524_01_s _ 2012_31							
Action/Comments								

Repair slope instability.

Photo 1 of 1: FA_2014_RD0524_107_31_20141020_00039	.jpg
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Looking south slope damage on waterward shoulder and slope.

LM Start	2.25	Rating **	U	Issue No.		147	
LM End	2.28	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental		GPS La	tituc	e/Longitude	
Category			Start		End		
Item	DWR Ero	sion Survey		37.92065	60°	37.920650 °	
пеш				-121.32037	'0 °	-121.320370 °	
DWR ID						·	
Action/Comments							

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: An irrigation pipe is on site. [2014 Site ID:RD0524U01RM42.84]



View from upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

2.29	Rating **	U	Issue No.		32		
2.31	Issue Type +	Ма	Location *	LS			
Category Earthen Levee				titud	e/Longitude		
			Start		End		
Vegetation			37.9203	72 °	37.920273	0	
			-121.3202	30 °	-121.320022	0	
DWR ID DWR_RD0524_01_s _ 2012_32							
	2.31 Earthen L Vegetatio	2.31 Issue Type + Earthen Levee Vegetation	2.31 Issue Type + Ma Earthen Levee Vegetation	2.31 Issue Type + Ma Location * Earthen Levee GPS La Start Start Vegetation 37.9203 -121.3202:	2.31 Issue Type + Ma Location * Earthen Levee GPS Latitud	2.31 Issue Type + Ma Location * LS Earthen Levee GPS Latitude/Longitude Start End Vegetation 37.920372 ° 37.920273 -121.320230 ° -121.3200220	

Action/Comments

Elderberries are blocking visibility and flood fight capability.



Looking south at dense veg on landside slope and toe.

LM Start	2.31	Rating **	С	Issue No.		148
LM End	2.33	Issue Type +	Ма	Location *		WS
Category Supplemental			GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR Erosion Survey			37.9198	85 °	37.919885 °
пеш				-121.3197	10 °	-121.319710 °
DWR ID						

Action/Comments

Inspector Comments: 6/19/2014: The erosion was repaired. 08/13/2013: The length of erosion has progressed downstream, and the site length has increased from 12 ft in length last year to 100 feet in length this year.

08/07/2012: The site was first reported in the 2012 spring levee inspection report. The site is located at the inside corner of a river bend. [2014 Site ID:RD0524U01RM42.93]

No	Photos
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LM Start	2.34	Rating **	М	Issue No.		34	
LM End	2.35	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Slope Stability			37.91988	35 °	37.919703°	
пеш				-121.3197	13 °	-121.319702 °	
DWR ID	DWR_RD0	524_01_s _ 201	2_34			·	

Action/Comments

Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comments: Slope damage caused by walking traffic and using bank as a fishing platform.



Photo 1 of 1: FA_2014_RD0524_107_34_20141020_00043.jpg

Looking northeast at damage to the slope possibly caused by human activity.

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
N: Not Inspected/Rated
C: Corrected
C: Corrected
D: Unacceptable
A/W: Acceptable but Monitor & Maintain
En: Enforcement

* Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.35	Rating **	М	Issue No.		107		
LM End	2.35	Issue Type +	Ma	Location *		LS		
Catagoni Earthen Levee			GPS Latitude/Longitude					
Calegory	Category			Start		End		
Item	Trim / Thin Trees			37.919742 °		37.919742	0	
пеш	item		-121.319623 °		-121.319623	0		
DWR ID	DWR ID DWR_RD0524_01_s _ 2012_107							
Action/Comments								
Trim trees to at least five feet above ground level.								

No Photos

Rating ** Issue No. LM Start 2.40 M 184 Issue Type + Ma Location * LS LM End 2 40 Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 37.919036° 37.919036 ° Item -121.319969 ° -121.319969 DWR RD0524 01 s 2014 184 DWR ID Action/Comments

No Photos

Rating ** Issue No. LM Start 2.44 U 35 2.48 Issue Type + Ма Location * LS LM End Earthen Levee GPS Latitude/Longitude Category Start End 37.918515 ° Vegetation 37.918498° Item -121.321078 ° -121.321110 ° DWR ID DWR_RD0524_01_s _ 2012_35 Action/Comments

Elderberries are blocking visibility and flood fight capability.

Trim trees to at least five feet above ground level.



Looking southwest at dense vegetation on landward toe.

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
M: Not Inspected/Rated
M: Not Inspected/Rated
M: Not Inspected/Rated
C: Corrected
C: Corrected
D: Unacceptable
U: Unacceptable
A/W: Acceptable but Monitor & Maintain
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.46	Rating **	М	Issue No.		36	
LM End	2.50	Issue Type +	Ma	Location *	WS		
Catagoria Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Erosion / Bank Caving			37.9186	28 °	37.918438	0
item				-121.320817 °		-121.321452	0
DWR ID DWR_RD0524_01_s _ 2012_36							
Action/Comments							

Note and monitor erosion site.

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		All states	10.75
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Photo 1 of 1: FA_2014_RD0524_107_36_20141020_00045.jpg

Looking east at erosion on waterside slope.

Photo 1 of 2: FA_2014_RD0524_107_80_20141020_00082.jpg

LM Start	2.48	Rating **	М	Issue No.	80		
LM End	2.48	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
			Start		End		
Item	Trim / Thin Trees			37.918480 °		37.918480	0
item				-121.3211	14 °	-121.321114	0
DWR ID	DWR ID DWR_RD0524_01_s _ 2012_80						
Action/Comments							

Trim trees to at least five feet above ground level.

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Looking southwest at dense vegetation and trees on landside slope. (Fall 2012)

LM Start	2.48	Rating **	М	Issue No.	80 (cont)
LM End	2.48	Issue Type +	Ma	Location *	LS

Photo 2 of 2: FA_2014_RD0524_107_80_20141020_00083.jpg



Looking southwest at dense vegetation on landside toe.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence
D: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.52	Rating **	U	Issue No.	37		
LM End	2.52	Issue Type +	Ма	Location *		LS	
Category Earthen Levee						atitud	e/Longitude
Calegory			Start		End		
Item	Vegetatio	egetation			45 °	37.918302 °	
item			-121.32170	65 °	-121.321923 °		
DWR ID	DWR_RD0	524_01_s _ 201	2_37				
Action/Comments							
Elderberrie	Elderberries are blocking visibility and flood fight capability.						

U

Ма

Issue No.

Location *

37 (cont)

LS

Rating **

Issue Type +

LM Start

LM End

2.52

2.52



Looking south at elderberry on landside slope.

Photo 2 of 4: FA_2014_RD0524_107_37_20141020_00047.jpg



Looking southwest at dense vegetation on landside toe.

Photo 3 of 4: FA_2014_RD0524_107_37_20141020_00048.jpg

LM Start	2.52	Rating **	U	Issue No.	37 (cont)
LM End	2.52	Issue Type +	Ma	Location *	LS



Looking north at elderberry and trees on landside slope.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Acceptable M : Mointenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.52	Rating **	U	Issue No.		37 (cont)	
LM End	2.52	Issue Type +	Ма	Location *		LS	
Catagoria Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item	Vegetation			37.91834	45 °	37.918302	
item				-121.32176	65 °	-121.321923	
DWR ID	DWR_RD0524_01_s _ 2012_37						
Action/Comments							

Elderberries are blocking visibility and flood fight capability.

Photo 4 of 4 : FA_2014	_RD0524_107_	_37_20141020_0	00049.jpg



Looking southwest at trees along levee landside toe.

LM Start	2.53	Rating **	U	Issue No.	38	
LM End	2.53	Issue Type +	Ma	Location *	WS	
Catagonia Earthen Levee			GPS Latitude/Longitud			
Category				Start		End
Item	Vegetation			37.9182	87 °	37.918287
item			-121.3219	80°	-121.321980	
DWR ID	DWR_RD0524_01_s _ 2012_38					
Action/Comments						

Elderberries are blocking visibility and flood fight capability.

Photo 1 of 2 : FA_	2014_RD0524_107_38_20141020_00050.jpg
	ACTOR AND



Looking north at elderberry on waterside slope.

LM Start	2.53	Rating **	U	Issue No.	38 (cont)
LM End	2.53	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2014_RD0524_107_38_20141020_00051.jpg



Looking south at elderberry on waterside slope.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

M : Minimally Acceptable CR : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

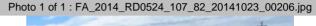
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.55	Rating **	М	Issue No.	ue No. 82	
LM End	2.59	Issue Type +	Ma	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitu			
Calegory				Start		End
Item	Slope Sta	bility		37.9180	60 °	37.917667 °
item				-121.3223	84 °	-121.322713 °
DWR ID	DWR_RD0524_01_s _ 2012_82					·
Action/Comments						

Repair slope instability.





Looking southwest at damaged landward slope.

LM Start	2.56	Rating **	М	Issue No.		40	
LM End	2.56	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee	GPS La	atitud	e/Longitude		
Calegory			Start		End		
Item	Vegetation			37.9180	47 °	37.918047 °	
item				-121.3224	15 °	-121.322415 °	
DWR ID	DWR_RD0524_01_s _ 2012_40						
Action/Comments							

Elderberries are blocking visibility and flood fight capability.

No Photos

LM Start	2.59	Rating **	М	Issue No.	41			
LM End	2.59	Issue Type +	Ма	Location *	LS			
Category	Earthen L	GPS La	tituc	le/Longitude				
Calegory		Start		End				
Item	Vegetation			37.91767	73 °	37.917673	٥	
item		-121.3227	18 °	-121.322718	0			
DWR ID	DWR_RD0	2_41						
Action/Comments								

Elderberries are blocking visibility and flood fight capability.

No Photos

* Location
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable U : Unacceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating
A : Assue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.60	Rating **	М	Issue No.	917		
LM End	2.60	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS Lati	tud	e/Longitude	
Calegory			Start		End		
Item	Animal Co	ontrol		37.917475	°	37.917475	0
пеш				-121.322808	°	-121.322808	0
DWR ID	DWR_RD0	524_01_s _ 201	2_917				
		Action/	Comme	nts			

Repair the levee slope damaged by livestock and prevent large animal access.

No Photos

A/W Rating ** Issue No. LM Start 2.61 9 Issue Type + Ma Location * LS LM End 2.61 Earthen Levee GPS Latitude/Longitude Category Start End Vegetation 37.917228° 37.917228° Item -121.322730 ° -121.322730 DWR RD0524 01 s 2012 9 DWR ID Action/Comments

Remove the wild growth other than native grasses from the levee

slopes.

No Photos

Rating ** Issue No. LM Start 2.63 M 185 2.66 Issue Type + Ma Location * WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 37.917152° 37.916807 ° Item -121.322582 -121.322069 DWR ID DWR_RD0524_01_s _ 2014_185 Action/Comments

Thin trees to allow visibility of the ground and room to flood fight.

No Photos

U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

CR : Crown

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.65	2.65 Rating ** C		Issue No.		192	
LM End	2.65	Issue Type + Ma		Location *		WS	
Category Supplemental				GPS Lati	tud	e/Longitude	
Calegory						End	
Item	DWR Ero	sion Survey		37.916650	°	37.916650	0
пеш				-121.321980	°	-121.321980	0
DWR ID							

Action/Comments

Inspector Comments: 6/19/2014: The erosion was repaired.

08/13/2013: No significant change observed.

08/07/2012: The site was first reported in 2012 spring levee inspection

report. [2014 Site ID:RD0524U01RM43.23]

LM Start	2.66	Rating **	М	Issue No.	43		
LM End	2.66	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Vegetatio	n		37.91678	0 °	37.916780 °	
пеш				-121.32209	5 °	-121.322095 °	
DWR ID	DWR_RD0	524_01_s _ 201	12_43			·	
	Action/Comments						

Action/Comments

Elderberries are blocking visibility and flood fight capability.

No Photos

No Photos

LM Start	2.67	Rating **	M	Issue No.	sue No. 918		
LM End	2.69	Issue Type +	Ма	Location *		LS	
Category	Earthen Levee		GPS Latitude/Longitude				
Category		Start		End			
Item	Trim / Thi	n Trees		37.91671	18 °	37.916502	0
пеш				-121.32202	20 °	-121.321980	0
DWR ID	DWR_RD0	524_01_s _ 201	2_918				
		Action/	Commo	nte			

Trim trees to at least five feet above ground level.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.67	Rating **	С	Issue No.	919			
LM End	2.67	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Erosion /	Bank Caving		37.91665	0 °	37.916650°		
item				-121.32198	7 °	-121.321987 °		
DWR ID	DWR_RD0524_01_s _ 2012_919							
	Action/Comments							

Schedule repair of erosion site prior to the next inspection. Inspector Comments: LMA repaired erosion site.

No Photos

LM Start	2.69	Rating **	М	Issue No.	44							
LM End	2.80	Issue Type +	Ма	Location *	LS							
Catagory	Earthen Levee			GPS Latitude/Longitude								
Calegory	Category		Start		End							
Item	Trim / Thi	n Trees		37.91641	8 °	37.915142	0					
item				-121.32196	3°	-121.323018	0					
DWR ID	DWR_RD0	524_01_s _ 201	2_44									
		Action/	Commo	ntc		Action/Comments						

Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Trim over hanging trees at least 12 feet above ground level.

Photo 1 of 1: FA_2014_RD0524_107_44_20141020_00056.jpg



Looking north at dense trees overhanging levee crown.

LM Start	2.71	Rating **	M	Issue No.		21	
LM End	2.71	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion /	Bank Caving		37.91622	24 °	37.916224°	
пеш				-121.32211	15 °	-121.322115 °	
DWR ID	DWR_RD0	524_01_f _ 201	3_21				

Action/Comments

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Large erosion around irrigation pipe.



Looking at erosion around irrigation pipe on waterward slope.

Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence N/A: Not Applicable LS: Land Side Acceptable N : Not Inspected/Rated WS : Water Side Minimally Acceptable C : Corrected CR : Crown U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.71	2.71 Rating ** M				21 (cont)	
LM End	2.71 Issue Type + Ma			Location *	WS		
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Erosion / Bank Caving			37.91622	24 °	37.916224 °	
пеш			-121.3221	15 °	-121.322115 °		
DWR ID	DWR ID DWR_RD0524_01_f _ 2013_21						
	Action/Comments						

Schedule repair of erosion site prior to the next inspection. Inspector Comments: Large erosion around irrigation pipe.



Looking east at erosion around irrigation pipe on waterward slope.

LM Start	2.73	Rating **	A/W	Issue No.		264
LM End	2.73	Issue Type +	Ma	Location *	LS	
Catagory	Category Earthen Levee				atitud	le/Longitude
Calegory				Start		End
Item	Trim / Thi	Trim / Thin Trees			68 °	37.915968 °
пеш				-121.3222	75 °	-121.322275 °
DWR ID DWR_RD0524_01_s _ 2012_264						
	Action/Comments					

Trim trees over roadway to at least 12 feet above ground level.

No Photos

LM Start	2.73	2.73 Rating ** M Issue No.				60		
LM End	2.77	Issue Type +	Ма	Location *	LS			
Category	evee	GPS La	tituc	le/Longitude				
Calegory				Start		End		
Item	Trim / Thin Trees			37.91574	۰ ۲	37.915492	0	
item				-121.32247	'0 °	-121.322639	0	
DWR ID	DWR_RD0524_01_s _ 2012_60							
Action/Comments								

Trim trees to at least five feet above ground level.

No Photos

* Location
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy
C : Corrected Ob : Design & System Obsolescence
U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.77 Rating ** A/W			Issue No.		70	
LM End	2.77	Issue Type +	Ma	Location *	LS		
Catagony	Category Earthen Levee				GPS Latitude/Longitude		
Calegory			Start		End		
Item	Encroachments			37.91550)3 °	37.915503 °	
пеш				-121.32274	15 °	-121.322745 °	
DWR ID	DWR_RD0						
	Action/Comments						

Tree or limb

Inspector Comments: Broken tree branch.

No Photos

LM Start	2.80 Rating ** M Issue No. 12				126	
LM End	2.80	Issue Type +	Ма	Location *	WS	
Category Supplemental				GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR Erosion Survey			37.8789	20 °	37.878920 °
пеш				-121.3326	70 °	-121.332670 °
DWR ID						
	Action/Comments					

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: Larger trees are at the levee shoulder, and an irrigation pump station is next to the erosion site. [2014 Site ID:RD0524U01RM46.06]



Front view of the erosion.

LM Start	2.82	Rating **	U	Issue No.		48	
LM End	2.82	Issue Type +	Ma	Location *	LS		
Catagony	Category Earthen Levee					le/Longitude	
Calegory				Start		End	
Item	Vegetatio	Vegetation			22 °	37.915022 °	
пеш				-121.3234	13 °	-121.323443 °	
DWR ID	D DWR_RD0524_01_s _ 2012_48						
	Action/Comments						

Elderberries are blocking visibility and flood fight capability.



Looking south at dense elderberry on landside slope. (Spring 2012)

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected M: M: Minimally Acceptable M: Acceptable

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

2.82	Rating **	U	Issue No.		48 (cont)	
2.82	Issue Type +	Ma	Location *		LS	
Earthen Levee				GPS Latitude/Longitude		
		Start		End		
Vegetatio	Vegetation			22 °	37.915022	
			-121.32344	13 °	-121.323443	
R ID DWR_RD0524_01_s _ 2012_48						
	2.82 Earthen L Vegetatio	2.82 Issue Type + Earthen Levee Vegetation	2.82 Issue Type + Ma Earthen Levee Vegetation	2.82 Issue Type + Ma Location * Earthen Levee GPS La Start Start Vegetation 37.91502 -121.32344	2.82 Issue Type + Ma Location * Earthen Levee GPS Latitude Start Vegetation 37.915022 ° -121.323443 °	

Action/Comments

Elderberries are blocking visibility and flood fight capability.



Looking south at elderberry on landside slope.(Spring 2011)

LM Start	2.83 Rating ** U			Issue No.		91
LM End	2.83	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee				atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		37.9150	63 °	37.915063 °
item				-121.3235	85 °	-121.323585 °
DWR ID DWR_RD0524_01_s _ 2012_91						
		Action/	Comme	nts		

Thin trees to allow visibility of the ground and room to flood fight.

Photo 1 of 1 : FA_2014_RD0524_107_91_20141020_00086.jpg



Looking southwest at dense vegetation on landside slope.

LM Start	2.88	Rating **	U	Issue No.		49	
LM End	2.88	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation			37.91442	27 °	37.914427 °	
пеш				-121.32419	98 °	-121.324198 °	
DWR ID	WR ID DWR_RD0524_01_s _ 2012_49						
	Action/Comments						

Elderberries are blocking visibility and flood fight capability.



Looking northwest at elderberry on landside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	2.93	Rating **	U	Issue No.	50		
LM End	2.95	Issue Type +	Ма	Location *		LS	
Category Earthen Levee			GPS La	atitud	e/Longitude		
Calegory	ategory			Start		End	
ltom	Item			37.9137	67 °	37.913503	0
пеш				-121.324427 °		-121.324488 °	
DWR ID	DWR_RD0	524_01_s _ 201	12_50				
		Action/	Comme	nts			
Prunings							



Looking southwest at prunings on landside slope.

LM Start	2.96	Rating **	М	Issue No.		51
LM End	2.96	Issue Type +	Ma	Location *	LS	
Category Earthen Levee				GPS Latitude/Longitude		
Calegory				Start		End
Item	Trim / Thin Trees			37.9134	15 °	37.913415 °
item				-121.3245)3 °	-121.324503 °
DWR ID DWR_RD0524_01_s _ 2012_51						
Action/Comments						

Trim trees to at least five feet above ground level.

No Photos

LM Start	2.96	Rating **	U	Issue No.		193
LM End	2.96	Issue Type +	Ma	Location *	WS	
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR Ero	sion Survey		37.9130	10°	37.913010°
пеш				-121.3244	90°	-121.324490 °
DWR ID						·

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change observed.

08/07/2012: The site was first reported in 2012 spring levee inspection report. [2014 Site ID:RD0524U01RM43.52]

Photo 1 of 1: SJR2014_RD0524U01RM43.52_1.jpg

Front view of the erosion.

Location N/A: Not Applicable LS : Land Side WS : Water Side

CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	3.04	Rating **	М	Issue No.		924	
LM End	3.04	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Lat	tuc	le/Longitude		
Calegory	alegory				Start End		
Item	Animal Co	ontrol		37.91216	3°	37.912163	0
пеш				-121.32470	2°	-121.324702	0
DWR ID DWR_RD0524_01_s _ 2012_924							
		Action/	Commo	nte			

Action/Comments

Repair the levee slope damaged by livestock and prevent large animal

access.

No Photos

LM Start	3.10	Rating **	М	Issue No.		925
LM End	3.12	Issue Type +	Ма	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitude			
Calegory		Start		End		
Item	Animal Control			37.9113	82 °	37.911088 °
пеш				-121.3249	28 °	-121.325113 °
DWR ID DWR_RD0524_01_s _ 2012_925						
Action/Comments						

Exterminate rodents and backfill and compact or grout burrows.

No Photos

LM Start	3.23	Rating **	С	Issue No.		1
LM End	3.31	Issue Type +	Ма	Location *	WS	
Category				GPS La	tituc	le/Longitude
Calegory	egory		Start		End	
Item	DWR Ero	sion Survey		37.9085	14 °	37.908544 °
item			-121.32489	94 °	-121.324894 °	
DWR ID						

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: New erosion was found at the levee toe. Trees are present. 08/07/2012: The site has been repaired. Protecting riprap revetment has been placed at the levee shoulder and slope, but minor erosions are visible at the levee toe.

Action/Comments

08/23/2011: Sloughing rip rap is visible on the site [2014 Site ID:RD0524U01RM43.83]

No Photos

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	3.29	Rating **	U	Issue No.		5
LM End	3.31	Issue Type +	Ма	Location *		WS
Category	ental	GPS La	titud	e/Longitude		
Calegory				Start		End
Item	DWR Ero	sion Survey		37.90809	90°	37.908090 °
пеш				-121.32509	90°	-121.325090 °
DWR ID						

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: The levee toe seems to have been protected by river rocks and vegetation on site. [2014 Site ID:RD0524U01RM43.86]



View from upstream of the erosion.

LM Start	3.30	Rating **	A/W	Issue No.		186
LM End	3.30	Issue Type +	Ма	Location *	WS	
Category Earthen Levee				GPS La	atitud	le/Longitude
Calegory			Start		End	
Item	Trim / Thi	n Trees		37.9085	51 °	37.908551 °
item			-121.3253	81 °	-121.325381 °	
DWR ID DWR_RD0524_01_s _ 2014_186						
		A otion /	Commo	nto		

Action/Comments

Trim trees to at least five feet above ground level.

N	n	Ρh	nt	റട

LM Start	3.33	Rating **	A/W	Issue No.	926		
LM End	3.35	Issue Type +	Ma	Location *	LS		
Catagonia Earthen Levee			GPS La	tituc	le/Longitude		
Category				Start		End	
Item	Trim / Thi	n Trees		37.90815	8 °	37.907872	0
item				-121.32541	8 °	-121.325443	0
DWR ID DWR_RD0524_01_s _ 2012_926							
Action/Comments							

Trim trees to at least five feet above ground level.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	3.37	Rating **	A/W	Issue No.	52		
LM End	3.40	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS La	titud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		37.9076	45 °	37.907157	٥
пеш				-121.3254	42 °	-121.325408	0
DWR ID DWR_RD0524_01_s _ 2012_52							
	Action/Comments						

Trim trees to at least five feet above ground level.

No Photos

Rating ** Issue No. LM Start 3.39 M 53 WS Issue Type + Ma Location * LM End 3.45 Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 37.907283° 37.906503 ° Item -121.325432 ° -121.325002 DWR RD0524 01 s 2012 53 DWR ID Action/Comments

Exterminate rodents and backfill and compact or grout burrows.

No Photos

LM Start	3.43	Rating **	U	Issue No.	54		
LM End	3.49	Issue Type +	Ма	Location *	LS		
Earthen Levee			GPS La	titud	e/Longitude		
Category				Start		End	
Item	Trim / Thi	n Trees		37.90674	۱7°	37.906192	0
пеш	1			-121.32524	8 °	-121.324543	0
DWR ID DWR_RD0524_01_s _ 2012_54							
Action/Comments							

Trim and thin trees to allow visibility of the ground and room to flood fight.

Photo 1 of 1 : FA_2014_RD0524_107_54_20141020_00065.jpg



Looking northwest at dense vegetation on landside slope.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated Ma: Maintenance Deficiancy

M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	3.45	Rating **	М	Issue No.		56
LM End	3.45	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroach	Encroachments			40 °	37.906540°
пеш				-121.3250	15 °	-121.325015 °
DWR ID	DWR_RD0	524_01_s _ 201	12_56			
		Action/	Comme	nts		
Material Inspector (Comments	: Broken cond	crete pip	es		

hoto 1 of 1: FA_2014_RD0524_107_56_20141020_00067.jpg	
The state of the state of the	

Looking southwest at concrete pipes on landside toe.

LM Start	3.47	Rating **	U	Issue No.		93		
LM End	3.47	Issue Type +	Ma	Location *		LS		
Earthen Levee				GPS Latitude/Longitude				
Category				Start	End			
Item	Trim / Thi	n Trees		37.9062	65 °	37.906265 °		
item				-121.3246	43 °	-121.324643 °		
DWR ID DWR_RD0524_01_s _ 2012_93						·		
Action/Comments								

Trim and thin trees to allow visibility of the ground and room to flood fight.



Looking northwest at low hanging tree branches on landside slope and

LM Start	3.51	Rating **	М	Issue No.		177		
LM End	3.51	Issue Type +	Ma	Location *	LS			
Category Earthen Levee				GPS La	atitud	le/Longitude		
Category	zategory			Start End			nd	
Item	Encroach	ments	37.9059	94 °	37.905994	0		
item				-121.3241	94 °	-121.324194	0	
DWR ID	DWR_RD0	524_01_f _ 201	4_177					
	Action/Comments							
Tree or limb Inspector Comments: Dead tree on landward toe.								

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	3.54	Rating **	U	Issue No.	57		
LM End	3.64	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start	End		
Item	Trim / Thi	n Trees		37.90563	38 °	37.904430 °	
item				-121.32389	92 °	-121.324570 °	
DWR ID DWR_RD0524_01_s _ 2012_57							
Action/Comments							

Trim and thin trees to allow visibility of the ground and room to flood fight.



Looking south at dense trees on landward slope.

LM Start	3.55	Rating **	М	Issue No.		55	
LM End	3.57	Issue Type +	ssue Type + Ma Location *			WS	
Category Supplemental			GPS Latitude/Longitude				
				Start		End	
Item	DWR Erosion Survey			37.90463	0 °	37.904630 °	
пеш				-121.32361	0 °	-121.323610 °	
DWR ID						·	

Action/Comments

Inspector Comments: 6/19/2014: The previous erosion was repaired. New erosion was found below the repaired levee slope.

08/13/2013: No significant change observed.

08/07/2012: The levee toe has been cut off along a 150 ft. long river stretch. The erosion is located just upstream of a river bend. [2014 Site ID:RD0524U01RM44.13]

Photo 1 of 1: SJR2014_RD0524U01RM44.13_1.jpg
View of the reneired site

View of the repaired site.

LM Start	3.68	Rating **	М	Issue No.		58		
LM End	3.68	Issue Type +	Ма	Location *		WS		
Category	Catagoni Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Slope Stability			37.9041	13 °	37.904113 °		
пеш				-121.3250	80 °	-121.325080 °		
DWR ID	DWR_RD0	524_01_s _ 201	2_58					

Action/Comments

Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comments: Landowner cut steps into waterside slope.



Looking southeast steps cut into waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W: Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	3.80	Rating **	М	Issue No.	927			
LM End	3.80	Issue Type +	Ma	Location *	LS			
Cotogony	Earthen Levee			GPS Latitude/Longitude				
Calegory	Category		Start		End			
Item	Trim / Thi	hin Trees		37.90264	5°	37.902645	0	
пеш				-121.326340 °		-121.326340	0	
DWR ID	DWR_RD0	524_01_s _ 201	12_927					
	Action/Comments							

Trim trees to at least five feet above ground level.

Rating ** Issue No. LM Start 3.82 M 59 Issue Type + Ma Location * LS LM End 3.82

-121.326482 °

-121.326482

Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 37.902417° 37.902417° Item

DWR RD0524 01 s 2012 59 DWR ID

Action/Comments

Trim trees to at least five feet above ground level.

No Photos

No Photos

Rating ** Issue No. LM Start 3.84 M 928 3.85 Issue Type + Ma Location * LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 37.902002 37.902155° Item -121.326523 -121.326550 DWR ID DWR_RD0524_01_s _ 2012_928 Action/Comments

Trim trees to at least five feet above ground level.

No Photos

* Location LS : Land Side WS : Water Side

CR : Crown

N/A: Not Applicable

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	3.89	Rating **	М	Issue No.		187		
LM End	3.89	Issue Type +	Ma	Location *	WS			
Catagony	Earthen Levee			GPS Latitude/Longitude				
Category			Start		End			
Itom	ltem Encroachments			37.9014	47 °	37.901447 °		
item				-121.326500 °		-121.326500 °		
DWR ID DWR_RD0524_01_s _ 2014_187								
Action/Comments								

Action/Commer

Tree or limb

Inspector Comments: Tree limb on waterward shoulder.



Looking northeast at tree limb on waterward slope.

LM Start	3.92	Rating **	М	Issue No.		94	
LM End	3.92	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
			Start		End		
Item	Vegetatio	n		37.900952 °		37.900952 °	
item				-121.326443 °		-121.326443 °	
DWR ID DWR_RD0524_01_s _ 2012_94							
Action/Comments							

Remove the wild growth other than native grasses from the levee

slopes.

Inspector Comments: Remove cactus



Looking southeast at cactus on waterside slope.

LM Start	3.93	Rating **	М	Issue No.		83		
LM End	3.93	Issue Type +	Ma	Location *		LS		
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory	Category			Start		End		
Item	Trim / Thi	n Trees		37.9008	54 °	37.900854	0	
пеш				-121.326438 °		-121.326438	0	
DWR ID	DWR_RD0	524_01_s _ 201	12_83					
		Action/	Comme	nte				

Trim trees to at least five feet above ground level.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W: Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	4.07	Rating **	M	Issue No.	61		
LM End	4.07	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory	эг у			Start		End	
Item	Trim / Thi	n Trees		37.89892	25 °	37.898925	0
item				-121.3270	15 °	-121.327015	0
DWR ID	DWR_RD0	524_01_s _ 201	2_61				
		Action/	Comme	nts			

Trim trees to at least five feet above ground level.

No Photos

Rating ** Issue No. LM Start 4.08 M 64 Issue Type + Ma Location * LS LM End 4.13 Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 37.898832° 37.898090 ° Item -121.327092 ° -121.327457 DWR ID DWR RD0524 01 s 2012 64 Action/Comments

No Photos

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

LM Start	4.13	Rating **	М	Issue No.		108	
LM End	4.13	Issue Type +	Ma	Location *		LS	
Catagory	Category Earthen Levee					le/Longitude	
Category	Category					End	
Item	Slope Stability			37.898035 °		37.898035 °	
пеш				-121.3274	47 °	-121.327447 °	
DWR ID	DWR_RD0	524_01_s _ 201	12_108				
Action/Comments							
Repair slope instability.							

Photo 1 of 1 : FA_2014_RD0524_107_108_20141020_00099.jpg



Looking southwest at caving slope on landside of levee.

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* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

** Rating
A: Acceptable
M: Minimally Acceptable
U: Unacceptable

N : Not Inspected/Rated C : Corrected

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma: Maintenance Deficiancy

Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	4.19 Rating ** A/W		Issue No.		109	
LM End	4.19	Issue Type +	Ma	Location *		WS
Catagony	Interior Drainage & Piping			GPS Latitude/Longitude		
Systems			Start		End	
Item	Metal Pipe	es		37.897113 °		37.897113 °
item				-121.3278	95 °	-121.327895 °
DWR ID	R ID DWR_RD0524_01_s _ 2012_109					
Action/Comments						

Inspector Comments: Landowner has temporarily repaired pipe with tape. Pipe should be repaired to stop further damage to the levee. Landowner repaired steel pipe, but pvc piping is still causing damage to waterward slope.

LM Start	4.19	Rating **	A/W	Issue No.	109 (cont)
LM End	4.19	Issue Type +	Ma	Location *	WS

Rating **

Issue Type +

4.19

LM Start

LM End

Issue No.

Location '

109 (cont)

WS

A/W



Looking east at repaired pipe on waterward slope.

Photo 2 of 5: FA_2014_RD0524_107_109_20141020_00100.jpg



Looking east at damaged pipe on waterside slope. (Spring 2012)

Db -4- 2 -4 F - EA	2044	DDOCOA	407	400	00444000	00404 :
Photo 3 of 5 : FA	2014	RD0524	107	109	20141020	00101.ipa



Looking northeast at overview of irrigation system on waterside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	4.19	Rating **	A/W	Issue No.		109 (cont)	
LM End	4.19	Issue Type +	Ma	Location *		WS	
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Metal Pipe	es		37.897113 °		37.897113	
пеш				-121.3278	95 °	-121.327895	
DWR ID	DWR_RD0524_01_s _ 2012_109						
Action/Comments							

Inspector Comments: Landowner has temporarily repaired pipe with tape. Pipe should be repaired to stop further damage to the levee. Landowner repaired steel pipe, but pvc piping is still causing damage to waterward slope.

LM Start	4.19	Rating **	A/W	Issue No.	109 (cont)
LM End	4.19	Issue Type +	Ma	Location *	WS



Looking east at irrigation system on waterside slope.

Photo 5 of 5: FA_2014_RD0524_107_109_20141020_00103.jpg



Looking east at irrigation system damaging waterside toe.

LM Start	4.40	Rating **	М	Issue No.	65		
LM End	4.56	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Control			37.8945	37 °	37.892493 °	
item				-121.3292	53 °	-121.328267 °	
DWR ID	DWR_RD0	524_01_s _ 201	2_65				
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	4.44	Rating **	М	Issue No.	112		
LM End	4.58	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Category			Start		End		
Item	Trim / Thi	n Trees		37.89392	8 °	37.892230 °	
пеш				-121.32920	3°	-121.328187 °	
DWR ID	DWR_RD0						
	Action/Comments						

Trim trees to at least five feet above ground level.

No Photos

LM Start	4.53	Rating **	U	Issue No.		79
LM End	4.54	Issue Type +	Ма	Location *		WS
Category	Suppleme	ental		GPS La	atitud	e/Longitude
Calegory	Category			Start		End
Item	DWR Ero	sion Survey		37.8922	30 °	37.892230 °
item				-121.3279	30 °	-121.327930 °
DWR ID						

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: No significant change observed.

08/07/2012: The erosion is located at the inside of a river bend. Site is covered with broken concrete blocks and other debris. [2014 Site ID:RD0524U01RM45.07]



Downstream view of the erosion site.

LM Start	4.64	Rating **	М	Issue No.		66	
LM End	4.64	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroach	ments		37.89136	5 °	37.891365 °	
item				-121.32863	3°	-121.328633 °	
DWR ID DWR_RD0524_01_s _ 2012_66							
		Action/	Comme	nts			

Garbage



Garbage at landward toe next to ramp at LM 4.64

*Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
N: Not Inspected/Rated
M: Maintenance Deficiancy
Ob: Design & System Obsolescence
C: Corrected
U: Unacceptable
A/W: Acceptable but Monitor & Maintain
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	4.65	Rating **	М	Issue No.		63	
LM End	4.65	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item	Trim / Thi	n Trees		37.8912	85 °	37.891285	0
item				-121.3287	28 °	-121.328728	0
DWR ID DWR_RD0524_01_s _ 2012_63							
	Action/Comments						

Trim trees to at least five feet above ground level.



Looking south at dense trees on landside slope.

LM Start	4.67	Rating **	A/W	Issue No.		113
LM End	4.67	Issue Type +	Ma	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Trim / Thi	n Trees		37.890973 °		37.890973 °
пеш				-121.3289	70 °	-121.328970 °
DWR ID DWR_RD0524_01_s _ 2012_113						
		Action/	Comme	nts		

Trim trees to at least five feet above ground level.



Looking north at dense trees on landside slope.

LM Start	4.71	Rating **	С	Issue No.		90		
LM End	4.71	Issue Type +	Ma	Location *		WS		
Supplemental				GPS Latitude/Longitude				
Category	Category					End		
Item	DWR Ero	sion Survey		37.88980)9 °	37.889809	0	
пеш				-121.32934	l2°	-121.329342	0	
DWR ID					·			

Action/Comments

Inspector Comments: 6/19/2014: The erosion was repaired.

08/13/2013: No significant change observed.

08/07/2012: The site has been visited by boat survey. No significant change observed

08/23/2011: Cracking erosion along the levee bank. Erosion appears to be caused by river flows. [2014 Site ID:RD0524U01RM45.27]

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	4.74	Rating **	A/W	Issue No.		67	
LM End	4.74	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.8901	08 °	37.890108 °	
пеш				-121.3295	23 °	-121.329523 °	
DWR ID DWR_RD0524_01_s _ 2012_67							
	Action/Comments						

Trim trees to at least five feet above ground level. Inspector Comments: Fig tree at landside toe.

No Photos

Rating ** Issue No. LM Start 4.98 M 84 Issue Type + Ma Location * LS LM End 4.98 Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 37.887277° 37.887277° Item -121.331609 ° -121.331609 DWR RD0524 01 s 2012 84 DWR ID Action/Comments

Trim trees to at least five feet above ground level.

No Photos

Rating ** Issue No. LM Start 5.01 M 114 5.03 Issue Type + Ma Location * LS LM End Earthen Levee GPS Latitude/Longitude Category Start End 37.886673 Vegetation 37.886907 Item -121.331862 -121.331965 DWR ID DWR_RD0524_01_s _ 2012_114 Action/Comments

Elderberries are blocking visibility and flood fight capability.

No Photos

* Location LS : Land Side WS : Water Side

CR : Crown

N/A: Not Applicable

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.10	Rating **	М	Issue No.		71
LM End	5.12	Issue Type +	Ma	Location *		LS
Category Earthen Levee				GPS Latitude/Longitude		
Category			Start		End	
Item	Trim / Thin Trees			37.88561	13 °	37.885286 °
пеш				-121.33213	39 °	-121.332167 °
DWR ID	DWR_RD0	524_01_s _ 201	12_71			
Action/Comments						
Trim trees	Trim trees to at least five feet above ground level.					

No Photos

LM Start	5.11	Rating **	U	Issue No.		68		
LM End	5.11	Issue Type +	Ма	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
				Start		End		
Itom	Trim / Thi	n Trees		37.885400 °		37.885400	0	
Item				-121.3321	53 °	-121.332153	0	
DWR ID DWR_RD0524_01_s _ 2012_68								
Action/Comments								

Trim trees over roadway to at least 12 feet above ground level.



Looking south at overhanging trees.

LM Start	5.17	Rating **	М	Issue No.		188			
LM End	5.17	Issue Type +	Ma	Location *	LS				
Catagony	Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End			
Item	Trim / Thi	n Trees		37.884627 °		37.884627	0		
пеш				-121.332172 °		-121.332172			
DWR ID DWR_RD0524_01_s _ 2014_188									
	Action/Comments								

Trim trees to at least five feet above ground level.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.20	Rating **	A/W	Issue No.		72		
LM End	5.20	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory			Start		End			
Item	Trim / Thi	n Trees		37.88407	'5 °	37.884075 °		
пеш			-121.33211	8 °	-121.332118 °			
DWR ID DWR_RD0524_01_s _ 2012_72								
	Action/Comments							

Trim trees over roadway to at least 12 feet above ground level.

No Photos

LM Start	5.24	Rating **	М	Issue No.		115		
LM End	5.24	Issue Type +	Ма	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Itom	Slope Sta	bility		37.8835	87 °	37.883587	0	
Item				-121.332100 °		-121.332100		
DWR ID DWR_RD0524_01_s _ 2012_115								
Action/Comments								

Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comments: Vehicle traffic created a ramp on landward slope.

Photo 1 of 1 : FA_2014_RD0524_107_115_20141020_00107.jpg



Looking northwest at slope damage on landward slope.

LM Start	5.26	Rating **	М	Issue No.		116			
LM End	5.26	Issue Type +	Ма	Location *	WS				
Category	Earthen L	evee	GPS Latitude/Longitude						
Category						End			
Item	Encroach	ments		37.88317	70 °	37.883170	0		
пеш				-121.332227 °		-121.332227			
DWR ID DWR_RD0524_01_s _ 2012_116									
	Action/Comments								

Tree or limb

Inspector Comments: Dead tree limbs on waterside slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.32	Rating **	М	Issue No.		85	
LM End	5.38	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	liegory			Start		End	
Item	Trim / Thi	n Trees		37.8823	77 °	37.881498 °	
пеш				-121.3325	98 °	-121.332800 °	
DWR ID DWR_RD0524_01_s _ 2012_85							
	Action/Comments						

Trim trees to at least five feet above ground level.

No Photos

Rating ** Issue No. LM Start 5.43 M 932 Issue Type + Ma Location * LS LM End 5.46 Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 37.880945° 37.880522 ° Item -121.332837 ° -121.332918 DWR RD0524 01 s 2012 932 DWR ID Action/Comments

Trim trees to at least five feet above ground level.

No Photos

LM Start	5.43	Rating **	U	Issue No.		125		
LM End	5.43	Issue Type +	Ма	Location *		WS		
Category	Suppleme	ental		GPS Latitude/Longitude				
Calegory				Start		End		
Item	DWR Ero	sion Survey		37.8803	20 °	37.880320	0	
item				-121.33320	66°	-121.333266	0	
DWR ID								

Action/Comments

Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: The erosion seems to be getting worse. More material sloughing visible.

08/07/2012: The erosion is underneath an irrigation pipe. The likely cause of the erosion is the pipe leakage. [2014 Site ID:RD0524U01RM45.97]



Close view of the erosion and the pipe.

** Rating

LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating

A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
Ob: Design & System Obsolescence
C: Corrected
U: Unacceptable
A/W: Acceptable but Monitor & Maintain
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.44	Rating **	М	Issue No.		178		
LM End	5.44	Issue Type +	Ma	Location *		N/A		
Category Earthen Levee				GPS Latitude/Longitude				
				Start		End		
Item	Encroachments				06 °	37.880806	•	
item				-121.3328	33 °	-121.332833	0	
DWR ID DWR_RD0524_01_f _ 2014_178								
		Action/	Comme	nts				

Tree or limb

Inspector Comments: Downed tree on landward toe.



Looking south at downed tree on landward slope.

LM Start	5.46	Rating **	A/W	Issue No.		931		
LM End	5.46	Issue Type +	Ma	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Animal Co	ontrol		37.880575 °		37.880575 °		
пеш			-121.3328	90 °	-121.332890 °			
DWR ID DWR_RD0524_01_s _ 2012_931								
Action/Comments								

Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: LMA grouted rodent holes.

Photo 1 of 2: FA_2014_RD0524_107_931_20141023_00213.jpg
Leaking porth at tripical view of grouted redect halos or landward

Looking north at typical view of grouted rodent holes on landward shoulder and slope.

LM Start	5.46	Rating **	A/W	Issue No.	931 (cont)
LM End	5.46	Issue Type +	Ма	Location *	LS

Photo 2 of 2: FA_2014_RD0524_107_931_20141023_00214.jpg



Looking north at typical view of grouted rodent holes on waterward slope.

** Cocation

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

Ob: Design & System Obsolescence

En: Enforcement

** Rating

A: Acceptable N: Not Inspected/Rated Ob: Design & System Obsolescence

A: W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.47	Rating **	М	Issue No.		118
LM End	5.47	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Slope Sta	bility		37.8803	23 °	37.880323 °
пеш				-121.3329	68 °	-121.332968 °
DWR ID	DWR_RD0	524_01_s _ 201	12_118			
		Action/	Comme	nts		
Repair slo Inspector (ty. : Slope dama	ge caus	ed by huma	n ac	ctivity.

LM Start	5.47	Rating **	М	Issue No.	118 (cont)
LM End	5.47	Issue Type +	Ma	Location *	LS



Looking west at slope damage on landside slope.

Photo 2 of 3: FA_2014_RD0524_107_118_20141020_00109.jpg



Looking southeast at damaged slope.

LM Start	5.47	Rating **	М	Issue No.	118 (cont)
LM End	5.47	Issue Type +	Ма	Location *	LS



Looking east at slope caving on landside slope.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence
D: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.48	Rating **	М	Issue No.	73		_
LM End	5.48	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee	GPS Latitude/Longitude				
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.8800	35 °	37.880085	0
пеш				-121.3330	45 °	-121.333045	0
DWR ID DWR_RD0524_01_s _ 2012_73							
	Action/Comments						

Trim trees to at least five feet above ground level.

No Photos

LM Start	5.50	Rating **	М	Issue No.	189				
LM End	5.50	Issue Type +	Ма	Location *		LS			
Category	Earthen L	evee		GPS La	e/Longitude				
Calegory		Start				End			
Item	Encroach	ments		37.8799	98 °	37.879998	٥		
пеш				-121.3330	79 °	-121.333079	٥		
DWR ID	R ID DWR_RD0524_01_s _ 2014_189								
	Action/Comments								

Prunings

Inspector Comments: Prunings on landward shoulder should be

removed.

LM Start	5.57	Rating **	М	Issue No.			96	
LM End	5.57	Issue Type +	Ma	Location *			WS	
Category	Earthen L	evee		GPS La	atitu	ongitude		
Calegory				Start			End	
Item	Trim / Thi	n Trees		37.8789	18 °		37.878918	0
пеш				121 2221	10	O	101 000110	0

DWR ID DWR_RD0524_01_s _ 2012_96

Action/Comments

Trim trees to at least five feet above ground level.

No Photos

No Photos

* Location LS : Land Side WS : Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.65	Rating **	С	Issue No.		127
LM End	5.66	Issue Type +	Ma	Location *		WS
Category	Suppleme	ental	GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR Ero	sion Survey		37.8778	80 °	37.877880 °
item				-121.3325	50 °	-121.332550 °
DWR ID						

No Photos

Action/Comments

Inspector Comments: 6/19/2014: The erosion was repaired. 08/13/2013: The boat survey found no significant change at this site, except slight animal activity was visible at the site.

08/07/2012: The site has been visited by boat survey. No significant change observed

08/23/2011: No significant change observed on site.

09/07/2010: No significant change observed on site. Erosion site is located beneath Howard Road Bridge. Majority of the existing rip rap has slipped, dragging away levee materials and exposing the underlying soft soil.

08/06/2010: Recommend for annual assessment and monitoring during flood events, per CLRO.

09/30/2009: No major change observed since the last visit; upper portion of existing revetment has slipped, exposing the degrading bank; note that site # is the same as RM46.30, LM5.69 found in the CLRO CES Evaluation 2008 Report; site was previously rated "M".

11/04/2008: Previously repaired using rock revetment; upper portion of the revetment is sliding, causing deformation on the levee slope; site is upstream of Howards Road Bridge. [2014 Site ID:RD0524U01RM46.12]

LM Start	5.69	Rating **	M	Issue No.	117		
LM End	5.69	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	rim / Thin Trees		37.8772	72 °	37.877272	0
item				-121.3324	00 °	-121.332400	0
DWR ID	DWR_RD0	524_01_f _ 201	3_117				
		Action/	Comme	nts			

Trim trees to at least five feet above ground level.

No Photos

* Location LS : Land Side N/A: Not Applicable WS : Water Side

Acceptable Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.84	Rating **	М	Issue No.		267	
LM End	5.84	Issue Type +	Ма	Location *		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroachments			37.87532	28 °	37.875328 °	
пеш				-121.33305	50 °	-121.333050 °	
DWR ID	DWR_RD0524_01_s _ 2012_267						
	Action/Comme						
Prunings							

Inspector Comments: Prunings at landside toe should be burned or removed.

Photo 1 of 1: SJR2014_RD0524U01RM46.39_1.jpg

No Photos



Front view of the site.

LM Start	5.86	Rating **	U	Issue No.		128		
LM End	5.86	Issue Type +	Ma	Location *	WS			
Catagory	Suppleme	ental		GPS La	titud	le/Longitude		
Category				Start		End		
ltom	DWR Ero	sion Survey		37.8743	70 °	37.874370 °		
Item				-121.3328	50 °	-121.332850 °		
DWR ID								
	A ation / O a man anta							

Action/Comments

Inspector Comments: 06/19/2014: No significant change observed. 08/13/2013: No significant change observed.

08/07/2012: The erosion is near a water-intake structure. Pipe leakage likely caused the erosion. [2014 Site ID:RD0524U01RM46.39]

LM Start	5.86	Rating **	A/W	Issue No.	69	
LM End	5.86	Issue Type +	Ma	Location *	LS	
Category	Earthen L		GPS Latitude/Longitude			
Calegory				Start		End
Item	Animal Control			37.8772	98 °	37.875073 °
item			-121.3323	43 °	-121.333168 °	
DWR ID	DWR_RD0524_01_s _ 2012_69					
Action/Comments						

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comments: District has grouted rodent holes.

No Photos

Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS : Land Side N/A: Not Applicable Acceptable N : Not Inspected/Rated WS : Water Side Minimally Acceptable C : Corrected CR : Crown U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.92 Rating ** M		Issue No.		75	
LM End	5.94	Issue Type + Ma		Location *		WS
Catogory Earthen Levee				GPS La	tituc	le/Longitude
Category				Start		End
Item	Animal Co	ontrol		37.8742	40 °	37.874002 °
item				-121.3331	87 °	-121.333027 °
DWR ID	DWR_RD0	DWR_RD0524_01_s _ 2012_75				

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comments: District has grouted rodent holes, but other rodent holes have appeared.

LM Start	5.92	Rating **	М	Issue No.	75 (cont)
LM End	5.94	Issue Type +	Ma	Location *	WS

Photo 1 of 2: FA_2014_RD0524_107_75_20141020_00077.jpg



Looking southwest at typical rodent holes on waterward slope.

Photo 2 of 2: FA_2014_RD0524_107_75_20141023_00217.jpg



Looking typical view of several rodent holes on landward slope and toe.

LM Start	5.92 Rating ** M			Issue No.		74		
LM End	5.92	Issue Type +	Ма	Location *	WS			
Catagory	Earthen Levee			GPS Latitude/Longitude				
Category				Start		End		
Item	Erosion /	Erosion / Bank Caving			o °	37.874165 °		
item				-121.33318	5°	-121.333155 °		
DWR ID	DWR_RD0	DWR_RD0524_01_s _ 2012_74				·		
	Action/Comments							

Note and monitor erosion site.

Inspector Comments: Erosion on landward slope around intake pipe.



Looking southeast at erosion around pipe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.92 Rating ** M			Issue No.	74 (cont)		
LM End	5.92	Issue Type +	Ma	Location *	WS		
Category	Earthen L	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Erosion / Bank Caving			37.8742	40 °	37.874165	٥
item				-121.3331	35 °	-121.333155	0
DWR ID	DWR_RD0524_01_s _ 2012_74						
Action/Comments							

Action/Con

Note and monitor erosion site.

Inspector Comments: Erosion on landward slope around intake pipe.

LM Start	5.92	Rating **	М	Issue No.	74 (cont)
LM End	5.92	Issue Type +	Ma	Location *	WS





Looking west at erosion around intake pipe on landward slope.

Photo 3 of 3: FA_2014_RD0524_107_74_20141020_00076.jpg



Erosion at waterward toe and around irrigation pipe at LM 5.92

LM Start	5.92	Rating **	A/W	Issue No.		190	
LM End	5.92	Issue Type +	Ма	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Itom	Encroach	Encroachments			97 °	37.874197 °	
Item				-121.3332	08 °	-121.333208 °	
DWR ID	DWR ID DWR_RD0524_01_s _ 2014_190						
Action/Comments							

Pipe

Inspector Comments: Landowner is replacing pump and left old pipe on waterward shoulder.



Looking southeast at old pump shaft on waterward shoulder.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	5.93	Rating **	U	Issue No.		119	
LM End	5.93	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Slope Sta	bility		37.87389	3°	37.873893	0
пеш		•		-121.33297	3°	-121.332978	0
DWR ID	DWR_RD0	524_01_s _ 201	2_119				

Action/Comments

Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comments: Landowner is using damaged area as a ramp.

LM Start	5.93	Rating **	U	Issue No.	119 (cont)
LM End	5.93	Issue Type +	Ma	Location *	LS



Looking west at unauthorized ramp and landside slope damage.

Photo 2 of 2: FA_2014_RD0524_107_119_20141020_00112.jpg



Looking southwest at damaged slope and ramp on landside slope.

LM Start	5.97	Rating **	М	Issue No.	86		
LM End	5.97	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Item	Trim / Thi	n Trees		37.87367	'8	37.873678	0
пеш				-121.33255	0°	-121.332550	0
DWR ID	DWR_RD0	524_01_s _ 201	2_86				
	Action/Comments						

Trim trees to at least five feet above ground level.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	6.01	Rating **	М	Issue No.		120		
LM End	6.01	Issue Type +	Ma	Location *		LS		
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Trim / Thi	n Trees		37.8733	47 °	37.873347	0	
пеш				-121.3320	28 °	-121.332028	0	
DWR ID	DWR_RD0	524_01_s _ 201	12_120					
		Action/	Comme	nts				

Trim trees to at least five feet above ground level.

No Photos

Rating ** Issue No. LM Start 6.02 M 81 Issue Type + Ma Location * LS LM End 6.02 Earthen Levee GPS Latitude/Longitude Category Start End Trim / Thin Trees 37.873300° 37.873300° Item -121.331928 ° -121.331928 DWR RD0524 01 s 2012 81 DWR ID Action/Comments

Trim trees to at least five feet above ground level.

No Photos

LM Start	6.05	Rating **	M	Issue No.		933	
LM End	6.05	Issue Type +	Ма	Location *		LS	
Category	Earthen L	GPS Latitude/Longitude					
Calegory	Category			Start		End	
Item	Slope Sta	bility		37.8730	47 °	37.873047	0
пеш				-121.3314	08 °	-121.331408	0
DWR ID	DWR_RD0	524_01_s _ 201	2_933				
		Action/	Comme	nts			

Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comments: Landowner cut steps into landside slope.



Looking north at steps cut into landward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	6.08	Rating **	M	Issue No.	191		
LM End	6.08	Issue Type +	Ma	Location *	LS		
Cotogony	Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Vegetation				37.87284	4 °	37.872844	0
пеш				-121.331070 °		-121.331070	0
DWR ID DWR_RD0524_01_s _ 2014_191							
Action/Comments							

Remove the wild growth other than native grasses from the levee slopes.

Inspector Comments: Cactus at landward toe.

No Photos

LM Start	6.21	Rating **	М	Issue No.		268	
LM End	6.21	Issue Type +	Ma	Location *	WS		
Catagoria Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Encroachments ltem				37.8711	37 °	37.871137 °	
пеш			-121.330138 °		-121.330138 °		
DWR ID DWR_RD0524_01_s _ 2012_268							
Action/Comments							

Action/Comment

Pipe

Inspector Comments: Open abandoned 10" pipe on waterside slope below flood elevation. Pipe should be removed or properly abandoned.

Photo 1 of 1 : FA_2014_RD0524_107_268_20141020_00150.jpg



Looking southeast at abandoned pipe on waterside slope.

LM Start	6.23	Rating **	М	Issue No.		98		
LM End	6.23	Issue Type +	Ма	Location *	LS			
Catagoria Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Trim / Thin Trees				37.87084	2°	37.870842	0	
Item				-121.33000	o °	-121.330000	0	
DWR ID DWR_RD0524_01_s _ 2012_98								
Action/Comments								

Action/Comments

Trim trees to at least five feet above ground level.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 0524 Middle Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.20	10/20/2014 10/20/2014	Richard Willoughby

LM Start	6.23	Rating **	A/W	Issue No.	97				
LM End	6.23	Issue Type +	Ma	Location *	LS				
Category	Earthen Levee					GPS Latitude/Longitude			
Calegory				Start		End			
Item	Vegetation				40 °	37.870840 °			
пеш		-121.329993 °		-121.329993 °					
DWR ID	DWR_RD0524_01_s _ 2012_97								
Action/Comments									
Remove the wild growth other than native grasses from the levee slopes.									

No Photos